

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20050091442").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 13:56
L2	1	1 and offset	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L3	199983	((mini or optical) near (disc or disk))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:33
L4	2005	3 and (fat or "file allocation table")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:33
L5	80	4 and (track same management same eras\$5)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:21
L6	50	5 and (offset or off-set or "off set")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:22
L7	11	6 and stream\$3 near data	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:22
L8	11	6 and stream\$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:32

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L9	11	8 and (track\$4 or sector\$1)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L10	11	9 and (end near (pointer or position))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:27
L11	0	10 and @ad<"20021209"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:27
L12	35550	on-medium erasure	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:27
L13	1	on-medium near erasure	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L14	311	track near erasure	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:27
L15	189	14 and @ad<"20021209"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L16	21437	(707/1,10,100,101,102,200,205). CCLS.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 14:29

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L17	708	(369/30.3,30.5,83,85,106).CCLS.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 14:30
L18	1930	(711/100,200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 14:31
L19	23964	16 or 17 or 18	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L20	2999	19 and offset	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L21	2214	20 and @ad<"20021209"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L22	1278	21 and (track\$4 or sector\$1)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:31
L23	37	22 and erasu\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:32
L24	176	22 and eras\$4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:32

EAST Search History

L25	81	24 and stream\$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:32
L26	29	((mini or optical) near (disc or disk)) and 25	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:33
L27	2	26 and (fat or "file allocation table")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:33
L28	0	2 not 10	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 14:33

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» Key

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IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. 5th Annual Magnetic Recording Conference (TMRC) on Signal Processing
Magnetics, IEEE Transactions on
Volume 31, Issue 2, Mar 1995
Digital Object Identifier 10.1109/20.364762
[AbstractPlus](#) | Full Text: [PDF](#)(14616 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. Erase profiles of floppy disk heads
Katz, E.;
Magnetics, IEEE Transactions on
Volume 20, Issue 4, Jul 1984 Page(s):528 - 541
[AbstractPlus](#) | Full Text: [PDF](#)(1224 KB) IEEE JNL
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- ☐ 3. 2004 Index
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Sig
IEEE Transactions on]
Volume 52, Issue 12, Dec 2004 Page(s):3479 - 3515
Digital Object Identifier 10.1109/TSP.2004.1365651
Full Text: [PDF](#)(384 KB) IEEE JNL
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- ☐ 4. Variable-Rate Two-Phase Collaborative Communication Protocols for Wl
Ochiai, H.; Mitran, P.; Tarokh, V.;
Information Theory, IEEE Transactions on
Volume 52, Issue 9, Sept. 2006 Page(s):4299 - 4313
Digital Object Identifier 10.1109/TIT.2006.880055
[AbstractPlus](#) | Full Text: [PDF](#)(696 KB) IEEE JNL
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- ☐ 5. The collision channel without feedback
Massey, J.; Mathys, P.;
Information Theory, IEEE Transactions on
Volume 31, Issue 2, Mar 1985 Page(s):192 - 204
[AbstractPlus](#) | Full Text: [PDF](#)(2424 KB) IEEE JNL
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- ☐ **6. Subject Index**
[Communications, IEEE Transactions on](#)
Volume 48, Issue 12, Dec. 2000 Page(s):2165 - 2194
Digital Object Identifier 10.1109/TCOMM.2000.891228
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- ☐ **7. IEEE transactions on magnetics cumulative index 1985-2000 volumes 21- Index]**
[Magnetics, IEEE Transactions on](#)
Volume 37, Issue 6, Part 2, Nov 2001 Page(s):467 - 1288
Digital Object Identifier 10.1109/TMAG.2001.966142
[AbstractPlus](#) | Full Text: [PDF](#)(7236 KB) [IEEE JNL](#)
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- ☐ **8. Subject index**
[Communications, IEEE Transactions on](#)
Volume 50, Issue 12, Dec. 2002 Page(s):2163 - 2192
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- ☐ **9. Subject index**
[Communications, IEEE Transactions on](#)
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- ☐ **10. 1997 Index IEEE Transactions On Communications Vol. 45**
[Communications, IEEE Transactions on](#)
Volume 45, Issue 12, Dec. 1997 Page(s):1 - 32
Digital Object Identifier 10.1109/TCOMM.1997.650241
[AbstractPlus](#) | Full Text: [PDF](#)(1324 KB) [IEEE JNL](#)
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- ☐ **11. HoVer Erasure Codes For Disk Arrays**
Hafner, J.L.;
[Dependable Systems and Networks, 2006. DSN 2006. International Conferenc](#)
25-28 June 2006 Page(s):217 - 226
Digital Object Identifier 10.1109/DSN.2006.40
[AbstractPlus](#) | Full Text: [PDF](#)(288 KB) [IEEE CNF](#)
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- ☐ **12. 2005 index**
[Communications Letters, IEEE](#)
Volume 9, Issue 12, Dec. 2005 Page(s):1084 - 1120
Digital Object Identifier 10.1109/LCOMM.2005.1576594
Full Text: [PDF](#)(497 KB) [IEEE JNL](#)
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- ☐ **13. Subject Index**
[Signal Processing Letters, IEEE](#)
Volume 10, Issue 12, Dec. 2003 Page(s):378 - 406
Digital Object Identifier 10.1109/LSP.2003.1247834
[AbstractPlus](#) | Full Text: [PDF](#)(383 KB) [IEEE JNL](#)
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- ☐ **14. Subject Index**
[Signal Processing, IEEE Transactions on](#) [see also [Acoustics, Speech, and Si](#)
[IEEE Transactions on](#)]
Volume 51, Issue 12, Dec. 2003 Page(s):3310 - 3338
Digital Object Identifier 10.1109/TSP.2003.1246537
[AbstractPlus](#) | Full Text: [PDF](#)(383 KB) **IEEE JNL**
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- ☐ **15. Time synchronization in a local area network**
Johannessen, S.;
[Control Systems Magazine, IEEE](#)
Volume 24, Issue 2, Apr 2004 Page(s):61 - 69
Digital Object Identifier 10.1109/MCS.2004.1275432
[AbstractPlus](#) | Full Text: [PDF](#)(616 KB) **IEEE JNL**
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- ☐ **16. Payload-Envelope Detection and Label-Detection Integrated Photonic Cir**
Asynchronous Variable-Length Optical-Packet Switching With 40-Gb/s R
10-Gb/s NRZ Labels
Koch, B.R.; Hu, Z.; Bowers, J.E.; Blumenthal, D.J.;
[Lightwave Technology, Journal of](#)
Volume 24, Issue 9, Sept. 2006 Page(s):3409 - 3417
Digital Object Identifier 10.1109/JLT.2006.879221
[AbstractPlus](#) | Full Text: [PDF](#)(1152 KB) **IEEE JNL**
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- ☐ **17. Subject Index**
[Wireless Communications, IEEE Transactions on](#)
Volume 2, Issue 6, Nov. 2003 Page(s):1285 - 1300
Digital Object Identifier 10.1109/TWC.2003.1244807
[AbstractPlus](#) | Full Text: [PDF](#)(281 KB) **IEEE JNL**
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- ☐ **18. Scalable on-demand media streaming with packet loss recovery**
Mahanti, A.; Eager, D.L.; Vernon, M.K.; Sundaram-Stukel, D.J.;
[Networking, IEEE/ACM Transactions on](#)
Volume 11, Issue 2, April 2003 Page(s):195 - 209
Digital Object Identifier 10.1109/TNET.2003.810311
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(665 KB) **IEEE JNL**
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- ☐ **19. Overload performance of DQDB networks in presence of erasure nodes &**
mechanism
Pach, A.R.; Palazzo, S.; Panno, D.;
[Electronics Letters](#)
Volume 30, Issue 19, 15 Sept. 1994 Page(s):1576 - 1578
[AbstractPlus](#) | Full Text: [PDF](#)(236 KB) **IEE JNL**

- ☐ **20. Data-hiding codes**
Moulin, P.; Koetter, R.;
[Proceedings of the IEEE](#)
Volume 93, Issue 12, Dec. 2005 Page(s):2083 - 2126
Digital Object Identifier 10.1109/JPROC.2005.859599
[AbstractPlus](#) | Full Text: [PDF](#)(1456 KB) **IEEE JNL**
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- ☐ **21. A comparison of slow-frequency-hop and direct-sequence spread-spectr**
communications over frequency-selective fading channels
Gass, J.H., Jr.; Pursley, M.B.;

[Communications, IEEE Transactions on](#)

Volume 47, Issue 5, May 1999 Page(s):732 - 741

Digital Object Identifier 10.1109/26.768767

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22. 2004 Index

[Magnetics, IEEE Transactions on](#)

Volume 40, Issue 6, Nov 2004 Page(s):3573 - 3671

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24. A new signal processing technique for d=1 channel codes

Umemoto, M.;

[Magnetics, IEEE Transactions on](#)

Volume 31, Issue 2, Mar 1995 Page(s):1044 - 1049

Digital Object Identifier 10.1109/20.364782

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25. 1997 Index IEEE Transactions On Vehicular Technology Vol. 46

[Vehicular Technology, IEEE Transactions on](#)

Volume 46, Issue 4, Nov. 1997 Page(s):1 - 18

Digital Object Identifier 10.1109/TVT.1997.653083

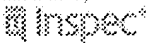
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1 [Collision detection and proximity queries](#)



Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
 August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes**
SIGGRAPH '04

Publisher: ACM Press

 Full text available: pdf(11.22 MB) Additional Information: [full citation](#), [abstract](#)

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

2 [Region-based memory management in cyclone](#)



Dan Grossman, Greg Morrisett, Trevor Jim, Michael Hicks, Yanling Wang, James Cheney
 May 2002 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2002 Conference on Programming language design and implementation PLDI '02**, Volume 37
 Issue 5

Publisher: ACM Press

 Full text available: pdf(249.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Cyclone is a type-safe programming language derived from C. The primary design goal of Cyclone is to let programmers control data representation and memory management without sacrificing type-safety. In this paper, we focus on the region-based memory management of Cyclone and its static typing discipline. The design incorporates several advancements, including support for region subtyping and a coherent integration with stack allocation and a garbage collector. To support separate compilation, C ...

3 [Astrolabe: A robust and scalable technology for distributed system monitoring, management, and data mining](#)



Robbert Van Renesse, Kenneth P. Birman, Werner Vogels
 May 2003 **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 2

Publisher: ACM Press

 Full text available: pdf(341.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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1 [Risks to the public in computers and related systems](#)



Peter G. Neumann

April 1990 **ACM SIGSOFT Software Engineering Notes**, Volume 15 Issue 2

Publisher: ACM Press

Full text available: [pdf\(2.07 MB\)](#) Additional Information: [full citation](#), [index terms](#)

2 [Algorithms and data structures for flash memories](#)



Eran Gal, Sivan Toledo

June 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 2

Publisher: ACM Press

Full text available: [pdf\(343.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Flash memory is a type of electrically-erasable programmable read-only memory (EEPROM). Because flash memories are nonvolatile and relatively dense, they are now used to store files and other persistent objects in handheld computers, mobile phones, digital cameras, portable music players, and many other computer systems in which magnetic disks are inappropriate. Flash, like earlier EEPROM devices, suffers from two limitations. First, bits can only be cleared by erasing a large block of memory. S ...

Keywords: EEPROM memory, Flash memory, wear leveling

3 [Mobile applications: Storing a persistent transactional object heap on flash memory](#)



Michal Spivak, Sivan Toledo

June 2006 **Proceedings of the 2006 ACM SIGPLAN/SIGBED conference on Language, compilers and tool support for embedded systems LCTES '06**

Publisher: ACM Press

Full text available: [pdf\(337.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present the design and implementation of TinyStore, a persistent, transactional, garbage-collected memory-management system, designed to be called from the Java virtual machine of a Java Card. The system is designed for flash-based implementations of Java Card, a variant of the Java platform for smart cards. In the Java Card platform, objects are persistent by default. The platform supports transactions: a sequence of accesses to objects can be explicitly declared to constit ...



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April 1990 **ACM SIGSOFT Software Engineering Notes**, Volume 15 Issue 2

Publisher: ACM Press

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2 [Optimal placement of high-probability randomly retrieved blocks on CLV optical discs](#)



Daniel Alexander Ford, Stavros Christodoulakis

January 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.64 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#),
[review](#)

Optimal data placement on a CLV (Constant Linear Velocity) format optical discs has an objective the minimization of the expected access cost of data retrievals from the disc when the probabilities of access of data items may be different. The problem of optimal data placement for optical discs is both important and more difficult than the corresponding problem on magnetic discs. A good data placement on optical discs is more important because data sets on optical discs such as WORM and CD ...

Keywords: management, performance

3 [Reliability and security of RAID storage systems and D2D archives using SATA disk drives](#)



Gordon F. Hughes, Joseph F. Murray

February 2005 **ACM Transactions on Storage (TOS)**, Volume 1 Issue 1

Publisher: ACM Press

Full text available: [pdf\(94.82 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Information storage reliability and security is addressed by using personal computer disk drives in enterprise-class nearline and archival storage systems. The low cost of these serial ATA (SATA) PC drives is a tradeoff against drive reliability design and demonstration test levels, which are higher in the more expensive SCSI and Fibre Channel drives. This article discusses the tradeoff between SATA which has the advantage that fewer higher


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1 [Risks to the public in computers and related systems](#)



Peter G. Neumann

 April 1990 **ACM SIGSOFT Software Engineering Notes**, Volume 15 Issue 2

Publisher: ACM Press

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2 [Optimal placement of high-probability randomly retrieved blocks on CLV optical discs](#)



Daniel Alexander Ford, Stavros Christodoulakis

 January 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 1

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Keywords: management, performance

3 [Reliability and security of RAID storage systems and D2D archives using SATA disk drives](#)



Gordon F. Hughes, Joseph F. Murray

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